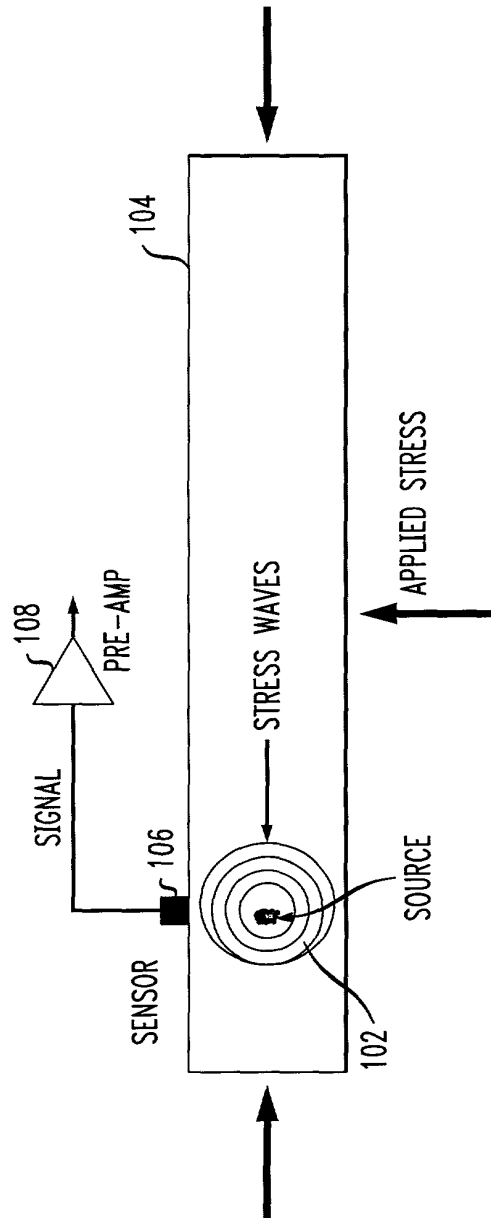


FIG. 1

PRIOR ART



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FIG. 2A

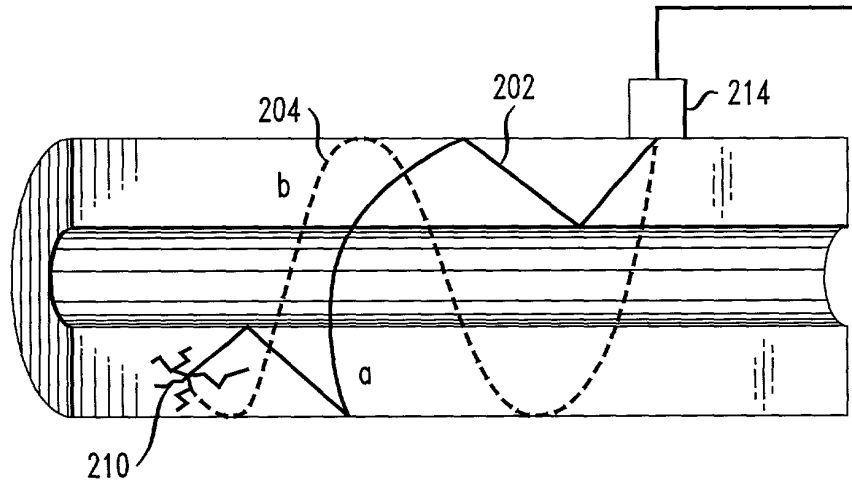
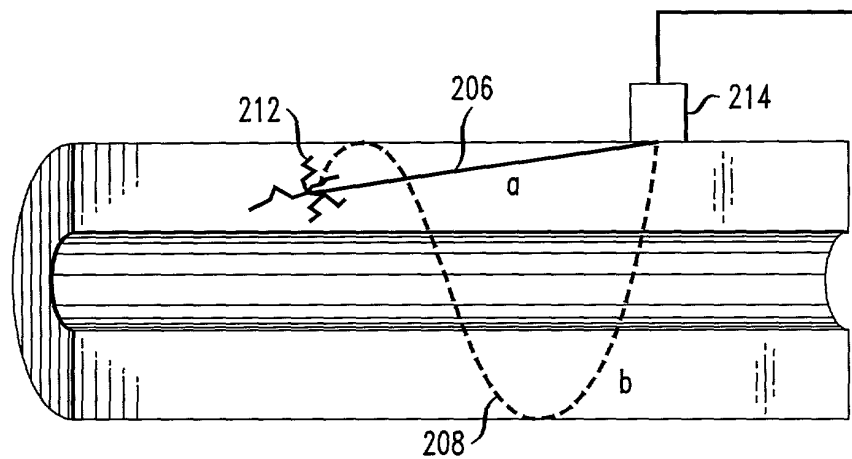


FIG. 2B



SILICA STRUCTURE CRACK MONITORING

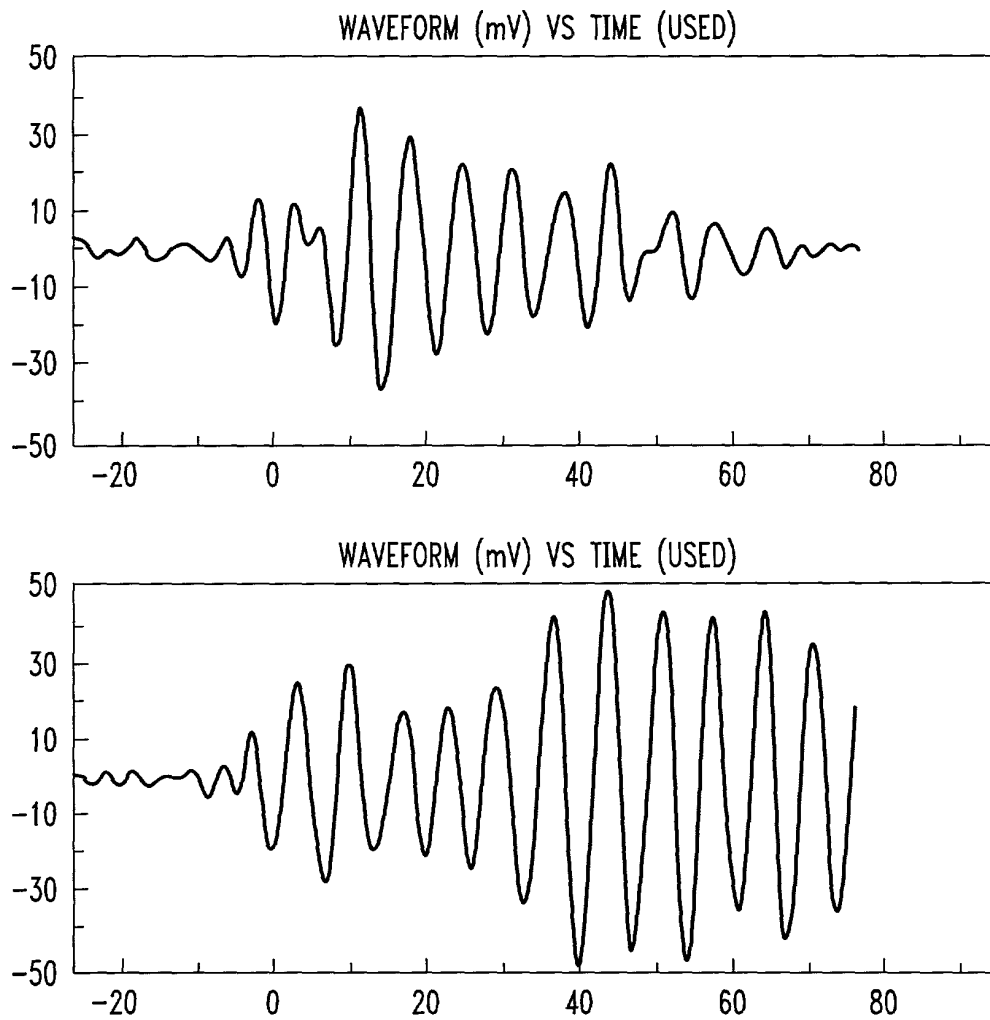
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Schnader, Harrison, Segal & Lewis, LLP (215) 751-2000 ref# 1525-00

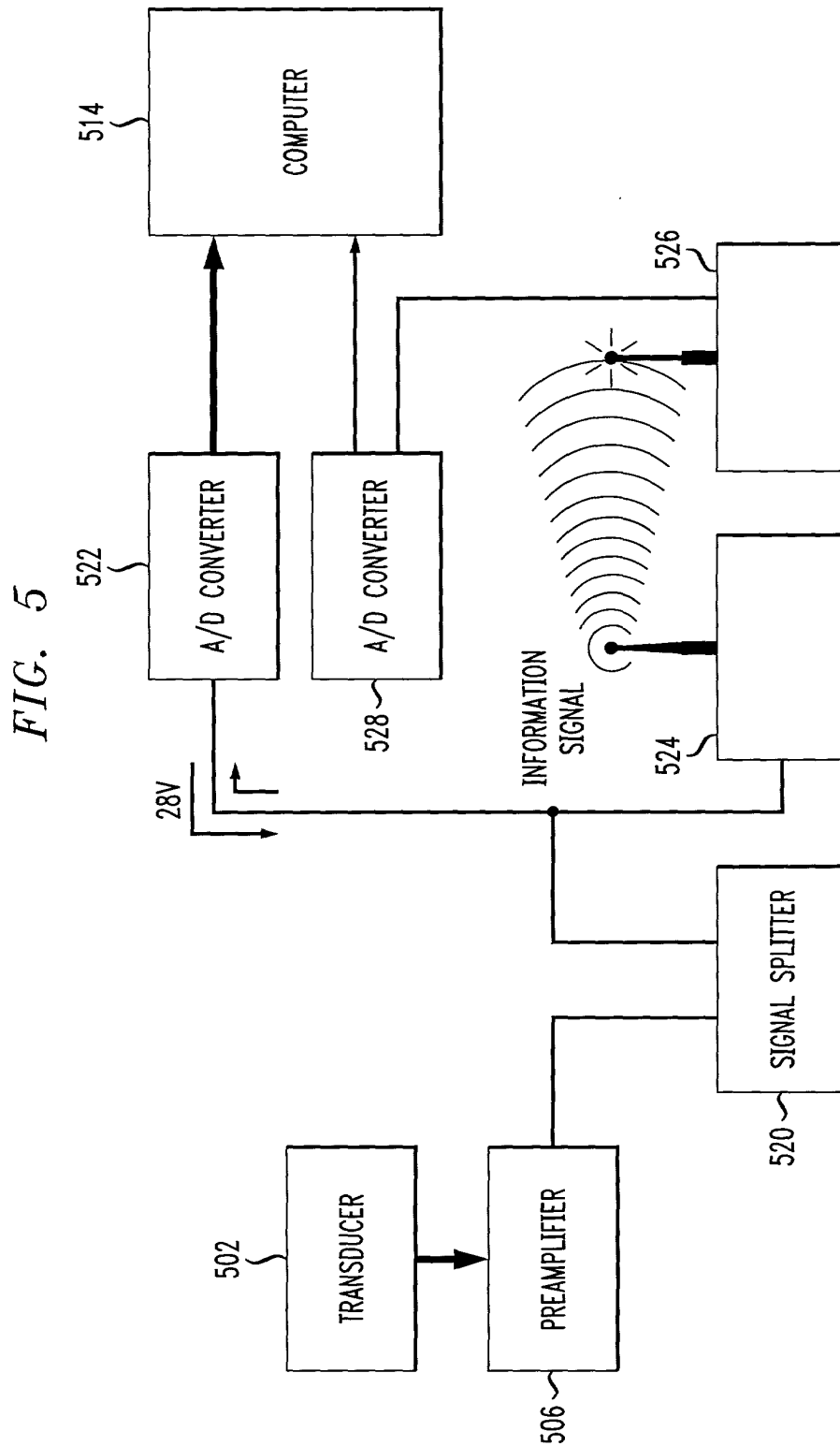
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*FIG. 3*



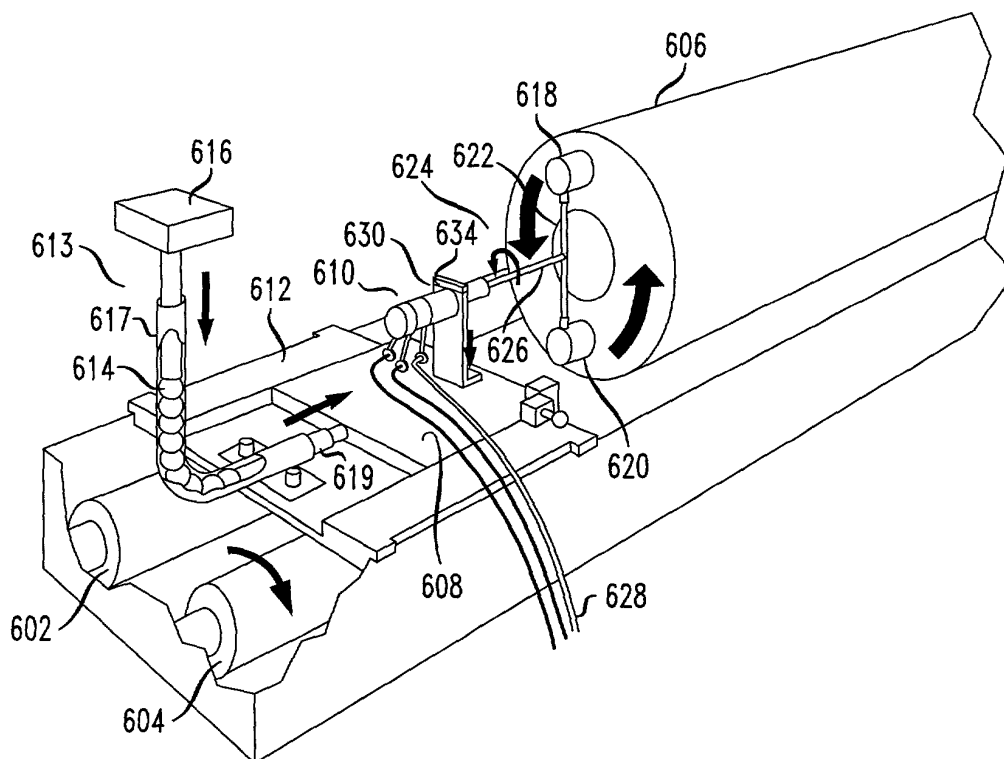
The diagram illustrates a system for detecting and measuring a leak in a pipe. A cross-section of a pipe 402 is shown with a leak 404. A sensor 406 is positioned near the leak. The sensor is connected to a preamplifier 408, which is connected to an amplifier 410. The amplifier is connected to a DSP 412, which is connected to a data log 414. An alarm 416 is also connected to the preamplifier 408.

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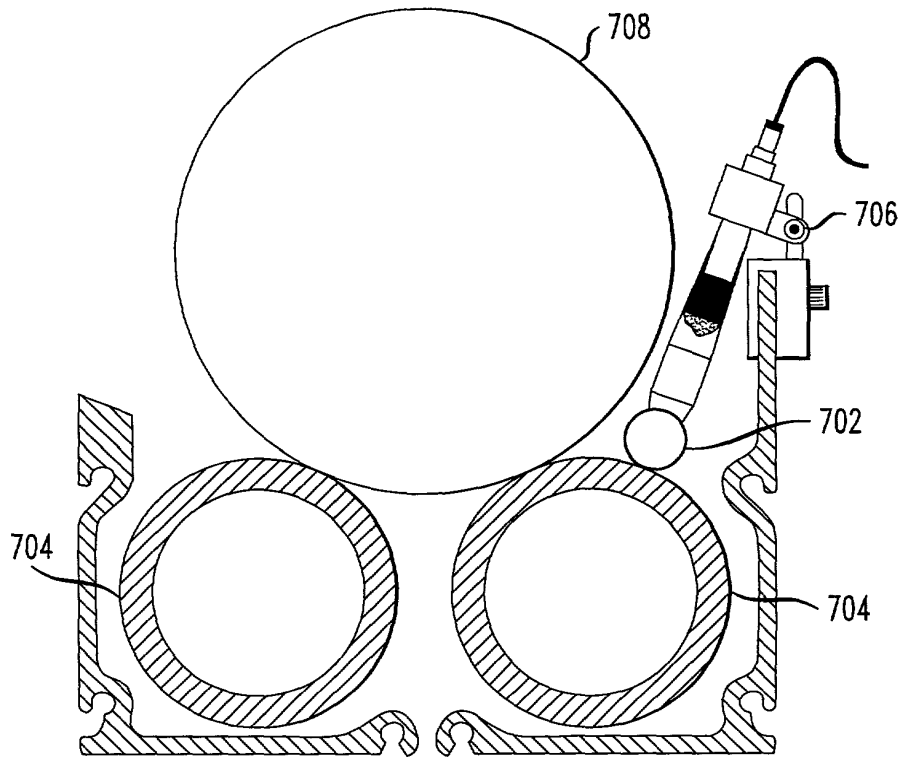
T05222"02425860

FIG. 6



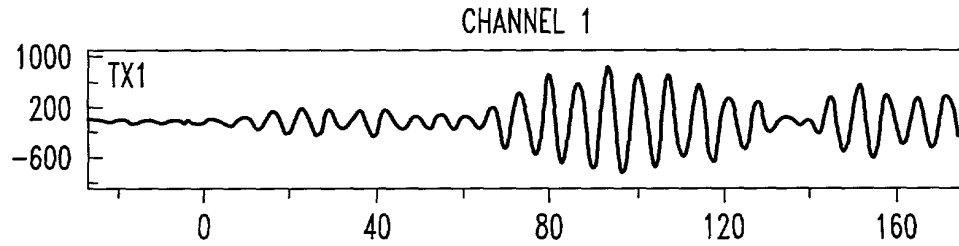
09852420 02425850

FIG. 7

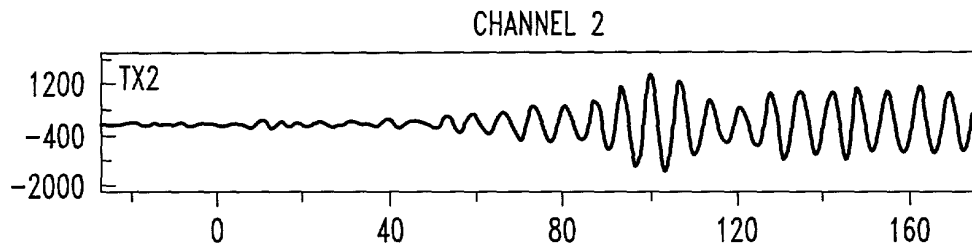


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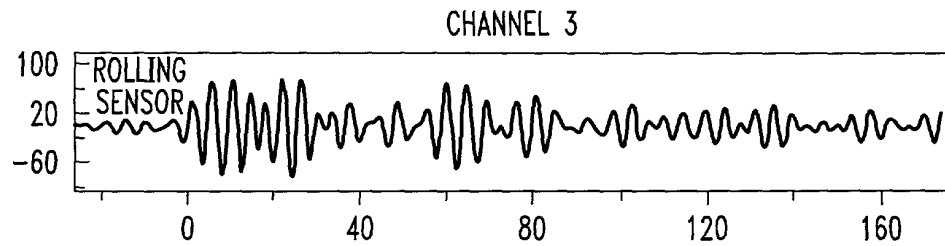
*FIG. 8a*



*FIG. 8b*



*FIG. 8c*

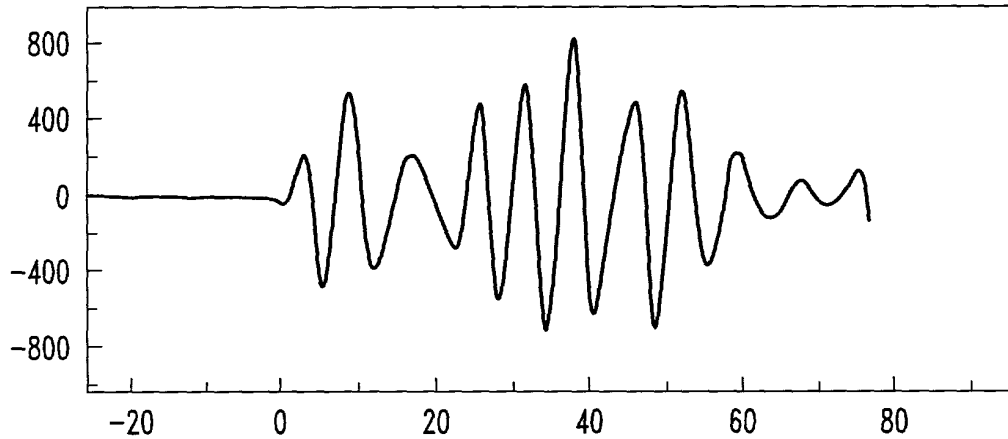




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*FIG. 9A*

WAVEFORM (mV) VS TIME (USED)



*FIG. 9B*

WAVEFORM (mV) VS TIME (USED)

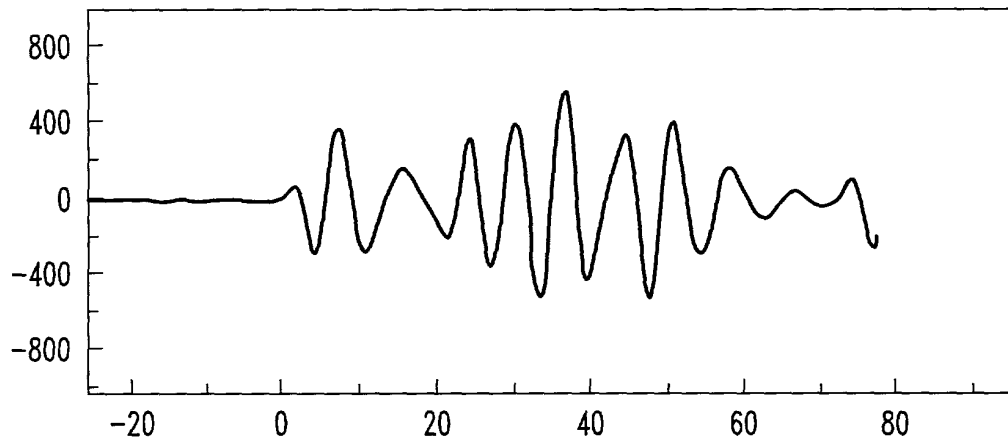
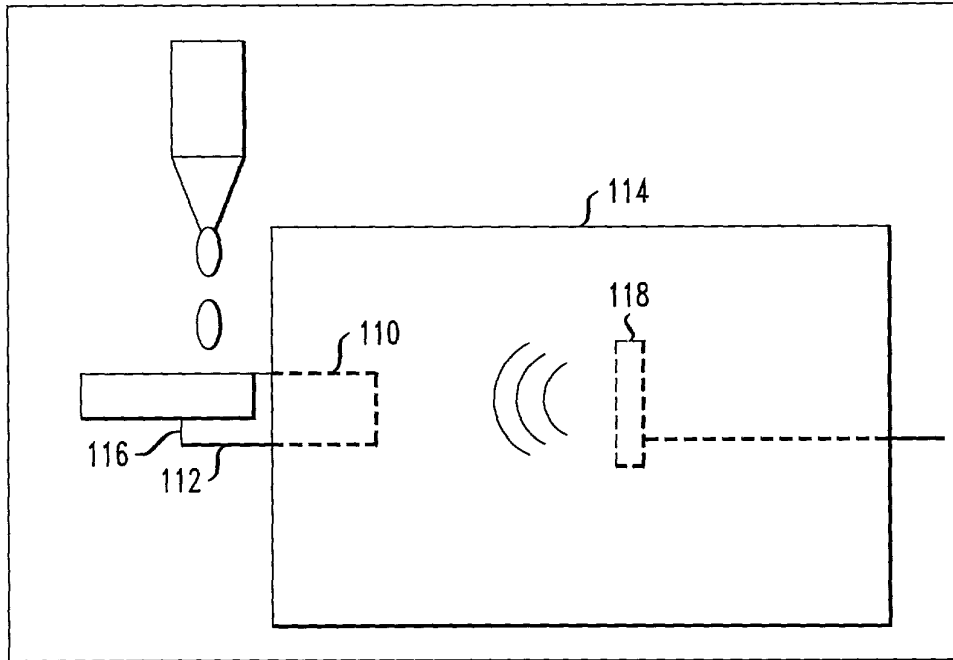


FIG. 10



09852420.032901

FIG. 11

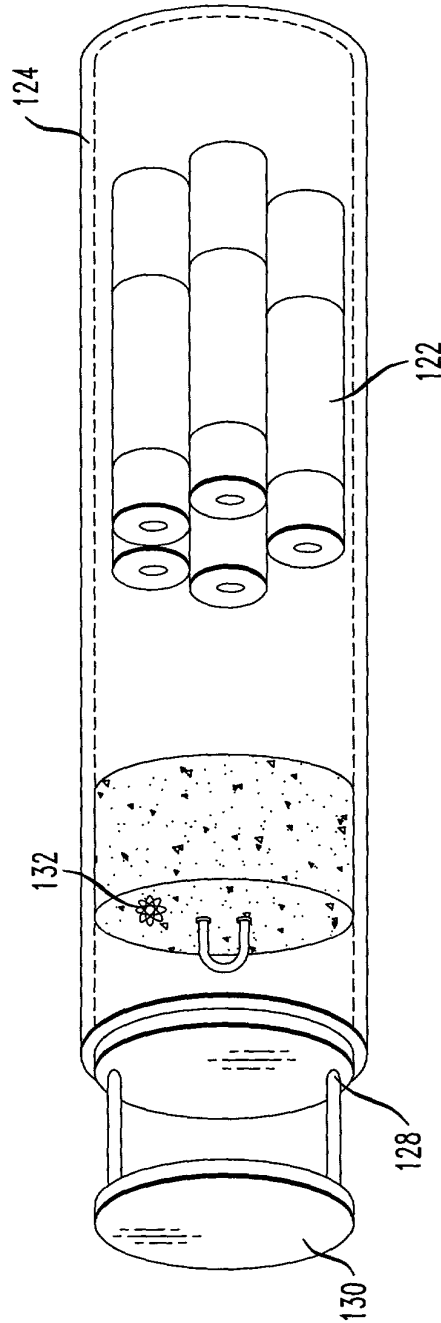


FIG. 11

FIG. 12

